



SPECTRACRON® 300 SERIES 2K POLYURETHANE ENAMEL

DESCRIPTION:

SPECTRACRON 300 SERIES 2K Polyurethane Enamel is a 2-component polyurethane with excellent exterior durability. It is recommended for industrial use on pretreated or primed metal surfaces. Suitable applications include various metal fabrications castings, agricultural and construction equipment.

HIGHLIGHTS:

- ❖ Excellent color and gloss retention
- ❖ Available in wide range of colors and gloss
- ❖ Excellent mar resistance
- ❖ Contains no heavy metals

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Full Range
Gloss @ 60° Angle	ASTM D523	20 - 90
Pencil Hardness	ASTM D3363	H – 2H
Conical Mandrel	ASTM D522	Excellent
Impact Resistance	ASTM D2794	Excellent
Adhesion	ASTM D3359	Excellent
Humidity Resistance 100Hrs	ASTM D2247	Excellent
Salt Spray Resistance 250 Hrs	ASTM B117	Very Good
Chemical Resistance		Very Good
Abrasion Resistance		Very Good
Substrates		CRS, HRS, Alum, Galv
Primer		SPECTRACRON 101,501,521,531,571,W43181A

*Results obtained over iron phosphated CRS panel

PHYSICAL PROPERTIES: (Mixed)

PROPERTY	VALUE
Weight per gallon	9.2 ± 1.2 lbs / gallon
Solid % (Weight)	45.0 ± 5.0%
Solid % (Volume)	34.0 +/- 3.0%
Flash Point	
SPECTRACRON 300	63° F (17°C)
SPECTRACRON 3001	80° F (27°C)
VOC	5.0 lbs / gallon (maximum)
Coverage	497-593 sq ft / gallon @ 1 mil (no loss)
Shelf Life	12 months each component



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SURFACE PREPARATION:

The surface must be clean and free of all contamination. Chemical treatment of the substrate and/or use of a primer will improve the performance properties of the coating system.

APPLICATION DATA:

Mixing Instructions: Mix 7 parts of SPECTRACRON 300 Component A to 1 part SPECTRACRON 3001 Component B by volume. Mix thoroughly prior to application.

Wet Film Thickness: 3.0 – 6.0 mils

Dry Film Thickness: 1.0 – 2.0 mils

Thinner: Not recommended

Clean up: Q70 MEK, Q30 Acetone or Q120 Polypurge

Pot Life: 5 hours @ 77°F (25°C)

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZING AIR (PSI)	TIP
Conventional	Binks 2001 *	NA	48	NA	66 SD
Conventional	Graco Delta Air *	¼" Fluid	8-12	40-50	.042
HVLP	Binks 2001 HVLP *	NA	50	NA	NA

*Or Equivalent

CURE SCHEDULE: (Air-dry @ 77°F)

Dry to touch: 30 - 60 minutes

Dry to handle: 4 hours

To recoat: 4 hours to 4 days

Force Dry: Flash 10 min @ ambient: 30 minutes @ 120°F
Flash 10 min @ ambient: 20 minutes @ 140°F

ADDITIONAL INFORMATION:

- ❖ For application below 50°F, please contact your technical sales/service representative
- ❖ Excess film thickness will retard dry times and affect the recoat window
- ❖ After 4 days, mechanically abrade the surface before recoating
- ❖ In-Service Temperature: 180°F (maximum)
- ❖ Avoid moisture contamination of the Spectracron 3001 Component B – moisture can gel the material and affect the performance properties

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CONTACT 1-866-PPG TRUE

It is recommended that the customer should trial the product for adhesion and compatibility using all substrates, surface preparation techniques and application processes in the environment the product will be intended to be used in prior to actual product application.

The technical data presented in this bulletin is based upon information believed by PPG to be currently accurate. However, no guarantees of accuracy, comprehensiveness or performance are given or implied. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin.

